## What is claimed is:

- 1. A system for binding commands between a source and a target comprising a data binding engine that receives at least one binding statement mapping a command to an element of the target, evaluates the at least one binding statement and updates the target element to a value associated with the command.
- 2. The system of claim 1, wherein the command is a command object.
- 3. The system of claim 1, wherein the command is associated with state.
- 4. The system of claim 3, wherein the command state is derived from the source.
- 5. The system of claim 3, where the command state is associated with an ability to be executed.
- 6. The system of claim 3, where the command state is associated with an inability to be executed.
- 7. The system of claim 1, wherein the command is stateless.
- 8. The system of claim 1, wherein the command is a method.
- 9 The system of claim 1, wherein the at least one binding statement comprises a statement in a declarative markup language.
- 10. The system of claim 9, wherein the declarative markup language comprises HTML, XML or XAML.
- 11. The system of claim 1, wherein the at least one binding statement comprises an indication of a data source.
- 12. The system of claim 1, wherein the at least one binding statement comprises a binding path.

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- 13. The system of claim 1, wherein the data binding engine queries into a graph of objects, comprising at least a first object and a second object wherein the first object points to the second object.
- 14. The system of claim 13, wherein the second object is a command object.
- 15. The system of claim 1, wherein the command comprises an object associated with an executable method and a Boolean state associated with an ability or inability of an execution method associated with the command object to be executed.
- 16. The system of claim 1, wherein the target is a user interface.
- 17. The system of claim 1, wherein the source comprises a collection of state of an underlying application.
- 18. A method of mapping a command to a target comprising:

receiving at least one binding statement that defines a mapping between the command and the target;

determining a value of the command; and

updating the target to the value of the command.

- 19. The method of claim 18, wherein in response to determining that the at least one binding statement fails to evaluate, the value of the command is set to null.
- 20. The method of claim 18, wherein in response to determining that the at least one binding statement fails to evaluate, the value of the command is set to a default value.
- 21. The method of claim 18, wherein in response to determining that the value of the command is null, the target is disabled.
- 22. The method of claim 18, wherein the command is an object associated with state.
- 23. The method of claim 22, wherein the command state is derived from a data source.

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- 24. The method of claim 22, wherein the command state is associated with an ability to be executed.
- 25. The method of claim 18, wherein the command is stateless.
- 26. The method of claim 18, wherein the command is a method.
- 27. The method of claim 18, further comprising monitoring a collection of objects comprising a data source for a change notification.
- 28. The method of claim 27, further comprising in response to detecting the change notification, querying into a graph of objects of the data source to determine an updated value of the command.
- 29. The method of claim 28, further comprising updating the target mapped to the command to the updated value of the command.
- 30. The method of claim 18, wherein the at least one binding statement comprises a declarative statement in a markup language.
- 31. The method of claim 30, wherein the markup language is HTML.
- 32. The method of claim 30, wherein the markup language is XML.
- 33. The method of claim 30, wherein the markup language is XAML.
- 34. The method of claim 18, wherein the target is an element of a user interface.
- 35. A computer-readable medium comprising computer-executable instructions for:

receiving at least one binding statement that defines a mapping between a command of a data source and an element of a user interface;

determining a value for the command: and

updating the element of the user interface to the value of the command.

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- 36. The computer-readable medium of claim 35, comprising further computer-executable instructions for monitoring a collection of objects comprising the data source for a change notification.
- 37. The computer-readable medium of claim 36, comprising further computer-executable instructions for:

detecting the change notification; and

querying into a graph of objects of the data source to determine an updated value of the command.

38. The computer-readable medium of claim 37, comprising further computer-executable instructions for updating the user interface element associated with the command to the updated value of the command.